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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:) Before the Examiner
 David A. Schleppenbach et al.)
 Serial No.: 10/748,742) Group Art Unit 3713
 Filed: December 30, 2003)
 APPARATUS AND METHODS FOR A)
 SHAPE MEMORY SPRING)
 ACTUATOR AND DISPLAY) August 13, 2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Pursuant to the duty of disclosure embodied in 37 C.F.R. § 1.56, Applicants wish to bring to the attention of the Examiner the items of information listed on the enclosed PTO forms 1449 A & B. This information was previously submitted in the parent application, (Serial No. 09/040,871, now issued as U.S. Patent No. 6,705,868). Copies of cited items are not enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 13, 2004.

John V. Daniluck

Signature

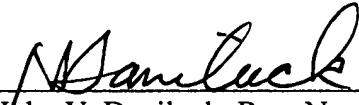
Date

13 Aug 2004

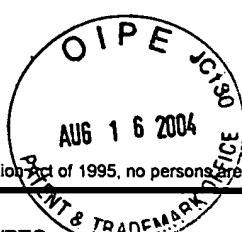
The identified information, taken alone or in combination with other art, provides information relating to the subject matter of the invention, but fails to teach, disclose or suggest the present invention. The filing of this Information Disclosure Statement shall not be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in § 1.56(b).

This Statement is being submitted under 37 C.F.R. §1.97(c)(2) more than three months after the filing date of the application but before the mailing of the first Office Action on the merits. No fees are believed to be due; however, if any fees are deemed to be required, please charge such fees to Deposit Account No. 23-3030, but not to include any payment of issue fees.

Respectfully submitted

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/748,742
Filing Date	December 30, 2003
First Named Inventor	David A. Schleppenbach
Group Art Unit	3713
Examiner Name	

Attorney Docket Number

7024-538

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ³ (If known)			
		US-3,586,451	06/22/1971	Canton	
		US-3,652,173	03/28/1972	Miller et al.	
		US-3,653,777	04/04/1972	Bross	
		US-3,659,354	05/02/1972	Sutherland	
		US-3,951,554	04/20/1976	Jonkers	
		US-4,033,053	07/05/1977	Engler	
		US-4,037,200	07/19/1977	Cranmer	
		US-4,115,015	09/19/1978	Torii	
		US-4,194,190	03/18/1980	Bureau	
		US-4,266,936	05/12/1981	Rose et al.	
		US-4,283,178	08/11/1981	Tetzlaff	
		US-4,285,039	08/18/1981	Patterson et al.	
		US-4,404,764	09/20/1983	Wills et al.	
		US-4,473,356	09/25/1984	Fernando et al.	
		US-4,500,293	02/19/1985	Eltgen	
		US-4,553,393	11/19/1985	Ruoff	
		US-4,556,934	12/03/1985	Lemme et al.	
		US-4,556,935	12/03/1985	Lemme	

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (If known)				
		DE 39 29 275 C1	03/14/1991			
		FR 2 718 266	10/06/1995			
		JP 5-300705	11/12/1993			
		JP 2-134674	05/23/1990			
		JP 6-227051	08/16/1994			
		JP 59-198483	11/10/1984			
		JP 61-166580	07/28/1986			

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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Number-Kind Code ² (If known)			
		US-4,559,512	12/17/1985	Yaeger et al.	
		US-4,571,190	02/18/1986	Zagier et al.	
		US-4,586,904	05/06/1986	Chlumsky	
		US-4,621,882	11/11/1986	Krumme	
		US-4,650,352	03/17/1987	Eriksson	
		US-4,653,942	03/31/1987	Soloveychik et al.	
		US-4,664,632	05/12/1987	Tretiakoff et al.	
		US-4,665,334	05/12/1987	Jamieson	
		US-4,701,293	10/20/1987	Mead	
		US-4,707,148	11/17/1987	Richmond	
		US-4,752,772	06/21/1988	Litt et al.	
		US-4,758,165	07/19/1988	Tieman et al.	
		US-4,761,955	08/09/1988	Bloch	
		US-4,765,139	08/23/1988	Wood	
		US-4,772,205	09/20/1988	Chlumsky et al.	
		US-4,811,564	03/14/1989	Palmer	
		US-4,836,784	06/06/1989	Burchart	
		US-4,871,992	10/03/1989	Peterson	

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		US-4,898,536	02/06/1990	Hoffarth	
		US-4,932,210	06/12/1990	Julien et al.	
		US-5,040,283	08/20/1991	Pelgrom	
		US-5,070,697	12/10/1991	Van Zeggeren	
		US-5,086,287	02/04/1992	Nutzel	
		US-5,107,235	04/21/1992	Torres-Isea	
		US-5,107,916	04/28/1992	Van Roermund et al.	
		US-5,127,228	07/07/1992	Swenson	
		US-5,165,897	11/24/1992	Johnson	
		US-5,186,629	02/16/1993	Rohen	
		US-5,188,145	02/23/1993	Mathieu	
		US-5,195,894	03/23/1993	Le Blanc et al.	
		US-5,197,418	05/30/1993	Wissmann et al.	
		US-5,209,584	05/11/1993	Galarneau	
		US-5,226,817	07/13/1993	Nakajima et al.	
		US-5,286,199	02/15/1994	Kipke	
		US-5,293,464	03/08/1994	Hirano et al.	
		US-5,426,837	06/27/1995	Tieman	

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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